



■ Features :

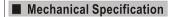
- Universal AC input / Full range
- High efficiency up to 90%
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 3"×2" compact size
- LED indicator for power on
- No load power consumption<0.3W
- 3 years warranty

SPECIFICATION

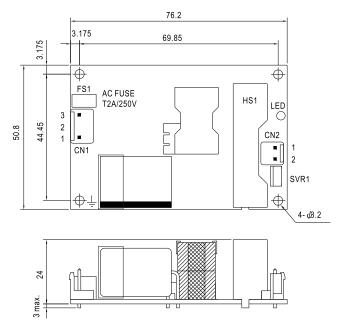


MODEL		EPS-25-3.3	EPS-25-5	EPS-25-7.5	EPS-25-12	EPS-25-15	EPS-25-24	EPS-25-27	EPS-25-36	EPS-25-48
	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	27V	36V	48V
	RATED CURRENT	5A	5A	3.4A	2.1A	1.7A	1.05A	0.95A	0.7A	0.53A
	CURRENT RANGE	0 ~ 5.5A	0 ~ 5.5A	0 ~ 3.74A	0 ~ 2.34A	0 ~ 1.87A	0 ~ 1.17A	0 ~ 1.05A	0~0.78A	0~0.59A
	RATED POWER	16.5W	25W	25.5W	25.2W	25.5W	25.2W	25.65W	25.2W	25.44W
ОИТРИТ	PEAK LOAD(10sec.) Note.6	18.15W	27.5W	28.05W	28.08W	28.05W	28.08W	28.35W	28.08W	28.32W
	RIPPLE & NOISE (max.) Note.2	60mVp-p	60mVp-p	80mVp-p	100mVp-p	100mVp-p	180mVp-p	180mVp-p	200mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	3.1 ~ 3.6V	4.75 ~ 5.5V	7.13 ~ 8.25V	10.8 ~ 13.5V	13.5 ~ 16.5V	21.6 ~ 27V	24.3 ~ 29.7V	32.4 ~ 39.6V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1000ms, 30m	s/230VAC	1000ms, 30n	ns/115VAC at fu	ıll load		•		
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load								
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	79%	81%	83%	86%	87%	88%	89%	89%	90%
	AC CURRENT (Typ.)	0.6A/115VAC 0.4A/230VAC								
	INRUSH CURRENT (Typ.)	COLD STAR	T 35A/230VAC							
	LEAKAGE CURRENT	<1mA/240VAC								
		115 ~ 170% rated output power								
	OVER LOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		3.7 ~ 4.6V 5.6 ~ 6.75V 8.63~ 10.5V 14 ~ 17V 17.25 ~ 20.25V 27.6 ~ 32.4V 31.05 ~ 36.45V 39.7 ~ 46.8V 53.3 ~ 64.8V								
	OVER VOLTAGE Protection type : Shut down o/p voltage, re-power on to recover									
	WORKING TEMP.	-30 ~ +70°C(Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°Q(0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°€70% RH								
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3								
	EMC IMMUNITY	Compliance t	o EN61000-4-2	2,3,4,5,6,8,11,	EN55024, hea	vy industry leve	el, criteria A			
OTHERS	MTBF	655.3K hrs m	in. MIL-HD	BK-217F (25°C	()					
	DIMENSION	76.2*50.8*24	mm (L*W*H)							
	PACKING	0.081Kg; 120	pcs/10.7Kg/0.9	97CUFT						
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25° (of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. Derating may be needed under low input voltage. Please check the static characteristics for more details. 33% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power. EPS-25-15/24/27/36/48 without HS1. 									





Unit:mm



AC Input Connector (CN1): JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1	AC/N	ICTVIID	IOT OVIL DAT DA A	
2	No Pin	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent	
3	AC/L	or oquivaloni	or oquivalent	

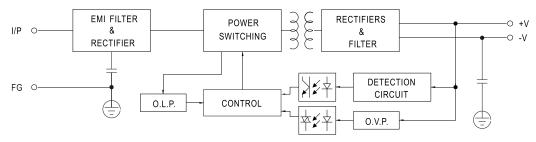
DC Output Connector (CN2): JST B2P-VH or equivalent

	Pin No.	Assignment	Mating Housing	Terminal
	1	-V	JST VHR	JST SVH-21T-P1.1
Γ	2	+V	or equivalent	or equivalent

HS1(Note.7) must have safety isolation distance with system case. \(\preceq : \text{Grounding required} \)

■ Block Diagram

fosc: 100KHz



■ Output Derating

■ Static Characteristics

